

RESTRICTED

STAT

| Location | Turbine | Steam | Diesel | Gas | Hydroelectric | Total |
|--------------|----------|--------|--------|--------|---------------|--------|
| Hsi-ch'ang | | | | 60(b) | 120(b) | 180 |
| K'ang-ting | | | | | 500(c) | 500 |
| Hsi-ning | | | 90(a) | | 200(b) | 290 |
| Lan-chou | 500(a) | 474(a) | | | | 974 |
| T'ien-shui | | | 108(a) | 25 | | 133 |
| Zu-ch'uan | 2,275 | | | | | 2,275 |
| Nan-cheng | | 85(a) | | 190(b) | | 275 |
| K'un-ming | | | | | | |
| Yao-lung Co. | 1,200 | | | | 2,500 | 3,700 |
| K'un-ming | 4,000(c) | | 340(a) | | 100 | 6,440 |
| Plant | 2,000(b) | | | | | |
| K'ai-yuan | | | | | 1,792 | 1,792 |
| Kuei-yang | 520(a) | 520(a) | | | | 1,040 |
| Yuan-ling | | 240(a) | 50(a) | | | 290 |
| Ch'en-ch'i | 500(a) | | | | | 500 |
| Kuei-lin | | | 1,085 | | | 1,085 |
| Fa-pu | 3,200 | | | | | 3,200 |
| Liu-chou | 2,000(a) | | 330 | | | 2,330 |
| Wu-chou | | | 700 | | | 700 |
| Total. | | | | | | 53,412 |

NOTE: (a) Machinery removed and reinstalled from the coastal plants.
 (b) Machinery manufactured in China.
 (c) Machinery purchased from abroad during the war.

Of the 28,000-kilowatts capacity of machinery indicated under (a),
 (b) and (c), 24,000 were installed by the Commission.

Hydroelectric plants of 200 kilowatts each are under construction
 at T'ien-shui and Nan-cheng.

Hydroelectric power plants constructed during the war, with power output
 of more than 100 kilowatts were as follows:

| Location | Name of River | Power Capacity (kw) | Remarks |
|----------------|---------------|---------------------|--|
| Ch'ang-shou(a) | Lung-ch'i Ho | 3,000 | Plans made to increase output to 64,000 kw |
| Ch'ang-shou(a) | T'ao-hua Ch'i | 876 | |
| Hsi-ch'ang(a) | Tung Ho | 600 | 120-kw generator already installed |
| K'ai-yuan | Lin-an Ho | 1,792 | |

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| <u>Location</u> | <u>Name of River</u> | <u>Power Capacity (kw)</u> | <u>Remarks</u> |
|-----------------|----------------------|----------------------------|---------------------------------------|
| K'ang-ting | K'ang-ting Ho | 500 | |
| Yung-chia | Jan Ch'i | 128 | |
| Wan Hsien | Jang-tu Ho | 1,470 | 340-kw generator already installed |
| Pei-p'ai | | 1,500 | 400-kw generator already installed |
| T'ung-tzu | | 540 | Almost completed |
| Hsiu-wen | Hsiu-wen Ho | 1,500 | Almost completed |
| Hai-ning | Huang Shui | 200 | |
| T'ien-shui | Ch'ih Ho | 200 | Almost completed |
| Han-chung | | 200 | Almost completed |
| T'eng-ch'ung | Tieh-shui Ho | 1,020 | Almost completed |
| Nan-ch'ung | Chia-ling Chiang | 1,100 | In mid-construction |

NOTE: (a) Plant under management of National Resources Commission.

Present Condition of Electric Power

During Japanese occupation both Taiwan and Manchuria experienced considerable electric development. Taiwan now has a power capacity (installed) of 320,000 kilowatts with 120,000 more being built.

The total power capacity in Manchuria at the close of war was 1,768,920 kilowatts, of which 619,000 was hydroelectric, but this amount has been reduced to about 414,150 kilowatts as a result of Soviet removal and Communist destruction. Most plants in the Northeast are located in the area south of Ha-erh-pin (Harbin) and east of Fengman and are joined by high-tension wires of 220, 154, 44, and 11 kilovolts. The actual power output of Manchuria is now said to be about 245,000 kilowatts, or 15 percent of the original. Of the 245,000 kilowatts actual output, 135,000 is hydroelectric.

Japan contributed little towards the development of electric industry in China proper. The Japanese merely moved plants from one place to another to meet the exigencies of wartime. They did construct an 18,000 kilowatt power plant at Ta-t'ung and a 25,000-kilowatt one at Hsia-hua-yuan, but they were recently destroyed by the Communists. Therefore, either through removal or by war destruction, the power facilities of China were reduced by about one half under the Japanese.

The distribution of electric industry in China, as of December 1946, was as follows:

| <u>Location</u> | <u>Capacity (kw)</u> | | <u>Estimated Capacity of Other Plants (kw) (a)</u> |
|-----------------|----------------------|---------------|--|
| | <u>Installed</u> | <u>Actual</u> | |
| Shang-hai | 219,000 | 153,000 | -- |
| Kiangsu | 81,950 | 65,200 | 4,000 |
| Chekiang | 22,328 | 14,628 | 3,000 |
| Anhui | 2,800 | 2,800 | 200 |
| Hupeh | 22,500 | 22,500 | 400 |

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| Location | Capacity (kw) | | Estimated Capacity of Other Plants (kw) (a) |
|-----------|---------------|---------|--|
| | Installed | Actual | |
| Hunan | 1,000 | 1,000 | 600 |
| Kiangsi | 5,300 | 5,300 | 1,000 |
| Kwangtung | 55,000(b) | 29,000 | 22,000 |
| Kwangsi | 5,200 | 3,200 | 800 |
| Fukien | 10,575 | 10,575 | 1,000 |
| Szechwan | 26,750 | 26,750 | 1,500 |
| Korea | 1,310 | 1,310 | 0 |
| Yunnan | 2,520 | 1,950 | 0 |
| Guangxi | 290 | 290 | 0 |
| Sikang | 690 | 690 | 0 |
| Yunnan | 12,418 | 12,418 | 0 |
| Kweichow | 11,040 | 1,040 | 0 |
| Shantung | 53,400 | 32,000 | (Approximately 25,000 in Communist hands) |
| Honan | 1,500 | 1,500 | unknown |
| Shensi | 5,000 | 5,000 | unknown |
| Hopei | 154,400 | 109,400 | 3,000 |
| Chahar | 1,000 | 0 | 0 |
| Sinkiang | -- | -- | 800 |
| Taiwan | 321,750 | 201,000 | 200,000 |
| Hainan | 5,000 | 5,000 | 0 |

NOTE: (a) Plants where conditions are unknown or in Communist hands.
(b) Excluding Kowloon Plant

The following table shows the status of the electric industry in major cities of China:

| <u>Location</u> | <u>Original</u> | <u>Present</u> | <u>Actual Usable Capacity</u> |
|--|-----------------|----------------|-------------------------------|
| <u>Shang-hai</u> | | | |
| Shang-hai Power Co | 183,500 | 173,000 | 136,000 |
| French Power Co | 28,200 | 13,500 | 10,000 |
| Cha-peí Hydroelectric Co | 32,500 | 32,500 | 7,000 |
| China Merchants Electric Co | 16,000 | 0 | 0 |
| P'u-tung Electric | 600 | 0 | 0 |
| <u>Pei-p'ing-T'ien-ching-T'ang-shan District</u> | | | |
| Pei-p'ing | 35,000 | 55,000 | 35,000 |
| T'ien-ching No 1 | 30,000 | 30,000 | 24,000 |
| T'ien-ching No 2 | 7,000 | 7,000 | 5,000 |
| T'ien-ching No 3 | 24,000 | 24,000 | 12,000 |
| T'ien-ching French Co | 8,000 | 8,000 | 5,000 |
| T'ang-shan | | 25,000 | 19,000 |
| Ch'in-wang-tao | 2,000 | 2,000 | 2,000 |
| <u>Ch'ing-tao</u> | 40,000 | 35,000 | 22,000 |
| <u>Han-ching</u> | 30,000 | 30,000 | 20,000 |
| <u>Kuang-chou (Canton)</u> | 54,000 | 48,000 | 28,000 |

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| <u>Location</u> | <u>Capacity (kw)</u> | | <u>Actual Usable Capacity</u> |
|--------------------------------------|----------------------|----------------|-------------------------------|
| | <u>Original</u> | <u>Present</u> | |
| <u>Wu-ch'ang-Han-k'ou Area</u> | | | |
| Han-k'ou | 16,500 | 10,500 | 10,000 |
| Han-k'ou British Power Co and others | 7,070 | 5,000 | 3,000 |
| Wu-ch'ang | 3,900 | 1,000 | 1,000 |
| <u>Taiwan</u> | 321,700 | 321,700 | 183,000 |
| <u>Northeast area</u> | | | |
| Feng-man | 283,000 | 143,000 | 135,000 |
| Wu-shun | 285,000 | 75,000 | 30,000 |
| Pei-p'iao | 15,000 | 15,000 | 12,000 |
| Hsi-an | 30,000 | 30,000 | 12,000 |
| Ch'ang-ch'un | 49,250 | 49,250 | 12,000 |
| Fu-hsin | 160,000 | 0 | 0 |

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